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L. Fleen, H. Pfister, M. Zwicker - Computer Graphics Forum, 2002 - interscience.wiley.com

... ulating an A-Buffer **2**. The first **pass** (Section 5.1) performs visibility splatting 13 by rendering ... The second **pass** (Section 5.2) implements Equation (8) as follows: First we set up the ... the pro- jection of the textured polygon to **screen space** yields the **screen space** EWA **resampling** ...

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PS Heckbert - IEEE Computer Graphics and Applications, 1986 - Citeseer

... The four steps above simplify to: 1. low **pass** filter the input signal using convolution 3 **2**. warp the abscissa of the signal . **resample** the signal at the output sample points - - - ... n general, a square **screen** pixel that intersects a curved surface has a curvilinear quadrilateral pre- ...

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G Guennebaud, M. Paulin - Vision, Modeling and Visualization, Munich, 2003 - Citeseer

... pk can be written as a single Gaussian with a variance matrix that combines the warped ba- sis function and the low-**pass** filter : $p_k(x) = \frac{1}{|J - 1|} \frac{1}{|G|} \frac{1}{|V|} \frac{1}{|J|} \frac{1}{|T|} \frac{1}{|k|} \frac{1}{|I|} (x - m_k(u_k))$ (6) which is called the **screen space** EWA **resampling** filter. Finally, substituting this into **2**, the continu ...

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MM Oliveira, G. Bishop, D. McAllister - Proceedings of the 27th ..., 2000 - portal.acm.org

... quadric and superquadric surfaces, and planar bicubic and biquadratic image warps are two-**pass** transformable. ... into an area much smaller than the final image [2]. Non-injective **2-D** mapping may also map multiple samples to the same pixel on the **screen**, a situation ...

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M. Zwicker, H. Pfister, J. Van Baar, M. ... - Proceedings of the 28th ..., 2001 - portal.acm.org

... Note that from now on we are omitting the subscript u_k for m and J . 3.3 **Screen Space** EWA Like Greene and Heckbert [3], we choose elliptical Gaussians both for the basis functions and the low-**pass** filter, since ... $G_V(x)$ with variance matrix V is defined as: $G_V(x) = \frac{1}{2\pi|V|} \frac{1}{2} e^{-\frac{1}{2} x^T V^{-1} x}$...

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